



**Missouri Department of Natural Resources**  
**Bobs Creek - WBID 0035**  
**Midwest Environmental Consultants Water Quality Data, 2003**

Org	Site	Site Name	Yr	Mo	Dy	Time	Flow	deg C	DO (mg/L)	DO %
MEC	35/9.3	Bobs Cr. @ Hwy. 47	2003	8	25	530		20.5	3.9	43
MEC	35/9.3	Bobs Cr. @ Hwy. 47	2003	9	11	530		19.5	6.7	73
MEC	35/8.7	Bobs Cr. just ab. Trib.	2003	8	25	625		22	5.1	58
MEC	35/8.7	Bobs Cr. just ab. Trib.	2003	9	11	625		19	7.6	83
MEC	35/8.6	Bobs Cr. just bl. Trib.	2003	8	25	620		21.5	0.9	10
MEC	35/8.6	Bobs Cr. just bl. Trib.	2003	9	11	635		19	4.8	52
MEC	35/8.5	Bobs Cr. 0.1 mi. bl. Trib.	2003	8	25	930		21.5	1.8	20
MEC	35/8.3	Bobs Cr. 0.3 mi. bl. Trib.	2003	9	11	640	0.28	19	3.7	40
MEC	35/7.8	Bobs Cr. 0.9 mi. bl. Trib.	2003	8	25	650		23	3.5	41
MEC	35/7.8	Bobs Cr. 0.9 mi. bl. Trib.	2003	9	11	655	0.14	19.5	3.9	42
MEC	35/6.8	Bobs Cr. @ CR 841	2003	8	25	710		23	1.9	22
MEC	35/6.8	Bobs Cr. @ CR 841	2003	9	11	705	0.22	19.5	5.1	56
MEC	35/5.3	Bobs Cr. @ CR 845	2003	8	25	722	0	22.5	3.3	38
MEC	35/5.3	Bobs Cr. @ CR 845	2003	9	11	715	0.12	20	6.5	72

The water quality standard for protection of aquatic life for dissolved oxygen is 5.0 mg/L. For dissolved oxygen, the Listing Methodology Document allows a water to be judged as impaired if measurements on more than 10 percent of days fail to meet the water quality standard. For a water with a 10 percent frequency of exceedance of a standard, nine exceedences in 14measurements has a binomial probability of 0.000. Since this probability is less than the minimum allowable type one error rate of 0.1, the portion of this water immediately below the tributary is judged to be **impaired** by low dissolved oxygen.

Missouri Department of Natural Resources, Water Protection Program, (573) 751-1300, [www.dnr.mo.gov](http://www.dnr.mo.gov)

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